GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:3550
ANSWERED ON:23.03.2017
Transmission Capacity
Parthipan Shri R.

Will the Minister of POWER be pleased to state:

(a) the total installed capacity of power plants in the country;

(b) whether the demand of electricity has always been exceeding the supply, if so, the details thereof, State-wise;

(c) whether the current installed transmission capacity is only 13 percent of the total installed generation capacity, if so, the details thereof; and

(d) whether the transmission network has increased from the isolated system concentrated around urban and industrial areas to country-wide National Grid, if so, the details thereof?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) : The total installed capacity of power plants in the country is 315426.32 MW (including 50,018 MW from Renewable Energy Sources (RES) as on 28th February 2017.

(b) : No, Madam. Sufficient generation capacity is available to meet the demand of electricity. There is only a marginal gap between demand and supply of power in the country. Some States are not able to meet demand of electricity due to transmission /distribution /financial constraints. The details of States/UTs-wise of the demand and supply of power in terms of energy and peak during the current year (April,2016 to Februrary,2017) is given at Annex.

(c) : As on 28th February 2017, a total of 3,65,134 CKm of Transmission lines (220 kV and above) and 7,20,494 MVA of Transformation capacity (220 kV and above) exists in the country.

(d) : Yes, Madam. The transmission network has increased from the isolated system concentrated around urban and industrial areas at the time independence in 1947, to countrywide National Grid. The total transmission capacity at 220kV and above, has increased from 52,034 circuit kilometers at the end of 6th Plan period to 3,65,134 circuit kilometers as on 28.02.2017. The substation transformation capacity at 220 kV and above, has increased from 46,621 MVA at the end of 6th Plan period to 7,20,494 MVA as on 28.02.2017. This includes both state and interstate transmission systems.

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